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| Substitute for form 1449A/PTO                            |   | <b>Complete if Known</b> |                   |                        |                |
|  |   | Application Number       | 10/642,594        |                        |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   | Filing Date              | August 19, 2003   |                        |                |
|  |   | First Named Inventor     | Nobuyasu KANEKAWA |                        |                |
|  |   | Art Unit                 | 2826              |                        |                |
|  |   | Examiner Name            | Thomas Dickey     |                        |                |
| Sheet  | 1 | of                       | 1                 | Attorney Docket Number | 056207.50307C1 |

| U.S. PATENT DOCUMENTS          |                       |  |    |                                |  |   |
|--------------------------------|-----------------------|--|----|--------------------------------|--|---|
| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Document Number                          |    | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                                |                       | Number-Kind Code <sup>2</sup> (if known) |    |                                |  |   |
| TD                             | AA                    | US- 6,225,664                            | B1 | 05-01-2001                     | Endo et al.  |   |
| TD                             | AB                    | US- 5,332,920                            |    | 07-26-1994                     | Nakagawa et al.                                    |   |
| TD                             | AC                    | US- 6,118,152                            |    | 09-12-2000                     | Yamaguchi et al.                                   |   |
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| FOREIGN PATENT DOCUMENTS       |                       |   |  |                             |   |   |                |
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| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Foreign Patent Document   |  | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|                                |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |  |                             |   |   |                |
| TD                             | AF                    | JP 2000-022166  |  | 01-21-2000                  | Toshiba Corp                                    |   | ✓              |
| —                              |                       | —   |  |                             |   |   |                |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| TD                              | AG                    | European Search Report  |                |

|                       |  |                    |         |
|-----------------------|--|--------------------|---------|
| Examiner<br>Signature |  | Date<br>Considered | 4/21/05 |
|-----------------------|--|--------------------|---------|

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